

## TISSUE-SPECIFIC EXPRESSION OF TARGET GENES IN PLANTS

## Abstract of the Invention

Methods of producing plants having <sup>ROOT</sup> ~~issue~~-specific expression of one or more target genes are taught, as are methods of producing plants having <sup>ROOT</sup> ~~issue~~-specific and <sup>Stress induced</sup> ~~environmental or developmentally-regulated~~ expression of one or more target genes. A genetic construct is taught which contains a <sup>target</sup> ~~nitrogen-assimilation and/or metabolism~~ gene and a promoter for the gene which is inducible under <sup>stress induced</sup> ~~conditions where it would be beneficial to take up, store or use nitrogen~~. The promoter can be, for example, induced by the presence of <sup>INS A2</sup> ~~nitrate or other form of nitrogen and will be induced by application of a nitrogenous fertilizer~~. <sup>use of the</sup> The stress inducible promoter btg-26 is also taught. Promoter btg-26 is isolated from the *Brassica* turgor gene - 26 and exhibits ~~osmotic~~-stress-induced and tissue-specific expression of an operatively linked gene.